

SUBJECT REQUIREMENT	LOCATION IN APPLICATION COMMENTS
<p>PART D PROCESS INFORMATION</p> <p>This part should include details of (1) the storage and/or treatment process(s), and (2) each hazardous waste unit to be utilized for these processes. Provide the technical design calculations, drawings and specifications for every process and unit. All design information submitted must be certified by a professional engineer registered in the Commonwealth of Kentucky.</p> <p>D-8 <u>Miscellaneous Units</u> 401 KAR 38:230 & 34:250</p> <p>Any hazardous waste unit that does not fit in categories D-1 through D-7 is probably a miscellaneous unit. To confirm this, please refer to the definition of a Miscellaneous unit in 401 KAR 30:010 Section 1 (90)(j).</p> <p>D-8a <u>Description of Miscellaneous Units</u> 401 KAR 38:230 Section 1 (1)</p> <p>D-8a(1) <u>Description</u></p> <p>A description of the unit including:</p> <ul style="list-style-type: none"> • Physical characteristics • Material/s of construction • Dimensions of units <p>D-8a(2) <u>Treatment Unit Design/Construction Details</u> 401 KAR 34:250 Sections 2 and 3</p> <p>Engineering plans and reports detailing:</p> <ul style="list-style-type: none"> • Criteria used for location of units • Design & construction (including containment systems) - drawings must be labeled, stamped and certified by an engineer (see 401 KAR 30:010 Section 1 (61) for definition of “engineer”) • Operating Conditions - Describe the operating process. Include information on feed rates, number of runs per day, hours of operation etc. • Maintenance, monitoring and inspection information - including detail schedules and procedures. This requirement may be addressed under Part F (Procedures to Prevent Hazards) • Closure - Schedule and procedure proposed to close the units. This requirement may be addressed under Part I (Closure Plans, Post Closure Plans and Financial Requirements) <p>D-8a(3) <u>For Disposal Units ONLY</u>, demonstrate compliance with 401 KAR 34:250 Section 4</p>	

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<p>D-8b <u>Site Assessments</u> 401 KAR 38:230 Section 1 (2)</p> <p>Demonstrate compliance with 401 KAR 34:250 (Environmental Performance Standards) by providing a:</p> <ul style="list-style-type: none"> • Hydrologic site assessment • Geologic site assessment • Meteorological site assessment • Land use map/s for the surrounding region <p>These requirements may also be addressed under Part B (B-2 and B-3 of this checklist)</p>	
<p>D-8c <u>Potential Exposure Pathways</u> 401 KAR 38:230 Section 1 (3)</p> <p>For controlled flame units ONLY, submit a site specific baseline risk assessment that evaluates the:</p> <ul style="list-style-type: none"> • potential for health risks caused by human exposure to waste constituents, and • potential for damage to domestic animals, wildlife, crops, vegetation and physical structures caused by exposure to waste constituents due to migration of waste constituents in the air, soil surface, surface water, wetlands, groundwater or the subsurface environment. <p>For all other units, provide information on:</p> <ul style="list-style-type: none"> • the potential pathways of exposure of humans or environmental receptors to hazardous waste or hazardous constituents • Potential magnitude and the nature of such exposures • design features and operational procedures that will minimize this potential 	
<p>D-8d <u>Effectiveness of Treatment</u> 401 KAR 38:230 Section 1 (4)</p> <p>Documentation demonstrating the effectiveness of the treatment</p> <ul style="list-style-type: none"> • Laboratory or field data • Published research work supporting the treatment method 	
<p>D-8e <u>Additional Information</u> 401 KAR 38:230 Section 1 (5)</p> <p>Air emissions - details plans and engineering reports on the reliability and effectiveness of air pollution control systems.</p> <p>Noise Considerations - Data on noise measurements conducted at this or similar sites</p>	
<p>D-8f <u>Requirements Specific to OB/OD Units or Geologic Repositories Used for Storage/Treatment of Hazardous Waste</u> Refer to 401 KAR 38:230 Section 1 (5)</p>	